

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

1. (currently amended) A method for detecting a connection fault and accordingly performing a switch-over in data communication in accordance with a set of rules based on Operation and Maintenance data communication principles, characterized in that

an interval for sending connectivity verification data information in the data communication is such that a real time based data communication is achievable,

wherein the interval makes a fault detection from the connection fault in the data communication to occur in less than 50 milliseconds.

2. (currently amended) ~~A method according to claim 1~~  
A method for detecting a connection fault and accordingly performing a switch-over in data communication in accordance with a set of rules based on Operation and Maintenance data communication principles, characterized in that

an interval for sending connectivity verification data information in the data communication is such that a real time based data communication is achievable, wherein the interval

comprises approximately one connectivity verification packet per 10 milliseconds.

3. (currently amended) ~~A method according to claim 1~~  
A method for detecting a connection fault and accordingly  
performing a switch-over in data communication in accordance with  
a set of rules based on Operation and Maintenance data  
communication principles, characterized in that

an interval for sending connectivity verification data  
information in the data communication is such that a real time  
based data communication is achievable,

wherein the interval comprises approximately one connectivity verification packet per 15 milliseconds.

4. (cancelled)

5. (currently amended) A method according to claim  
[[4]] 1, wherein the interval further triggers the switch-over to  
occur in less than 50 milliseconds from an occurrence of the  
connection fault.

6. (original) A method according to claim 1, wherein  
the real time based data communication presumes the switch-over  
to take place in less than 50 milliseconds from an occurrence of  
the connection fault.

7. (original) A method according to claim 1, wherein the connection fault comprises a predetermined amount of consecutively missing or wrong connectivity verification packets in the data communication.

8. (original) A method according to claim 1, wherein the data communication comprises at least one of Internet Protocol, Ethernet, and MPLS for real time telecommunication services.

9. (original) A method according to claim 1, wherein the data communication comprises LSP based connection.

10. (original) A method according to claim 1, wherein the data communication is based on a protection switching data communication principles.

11. (original) A method according to claim 1, wherein Multiprotocol Label Switching is contained as a bearer for the data communication.

12. (original) A method according to claim 11, wherein Multiprotocol Label Switching operates as a backbone for IP based data communication.

13. (cancelled)

14. (original) A method according to claim 1, wherein the data communication takes place between a source computing entity and a sink computing entity.

15. (original) A method according to any preceding claims, wherein the connectivity verification data information comprises CV packets.

16-19. (cancelled)

20. (currently amended) ~~The method of claim 1~~ A method for detecting a connection fault and accordingly performing a switch-over in data communication in accordance with a set of rules based on Operation and Maintenance data communication principles, characterized in that

an interval for sending connectivity verification data information in the data communication is such that a real time based data communication is achievable, wherein,

the interval in which the connection fault occurs, the connection fault is detected, and the switch-over in the data communication is triggered to occur is less than 50 ms, with the connectivity verification data information being in the form of connectivity verification packets being sent one connectivity

verification packet per 15 ms.